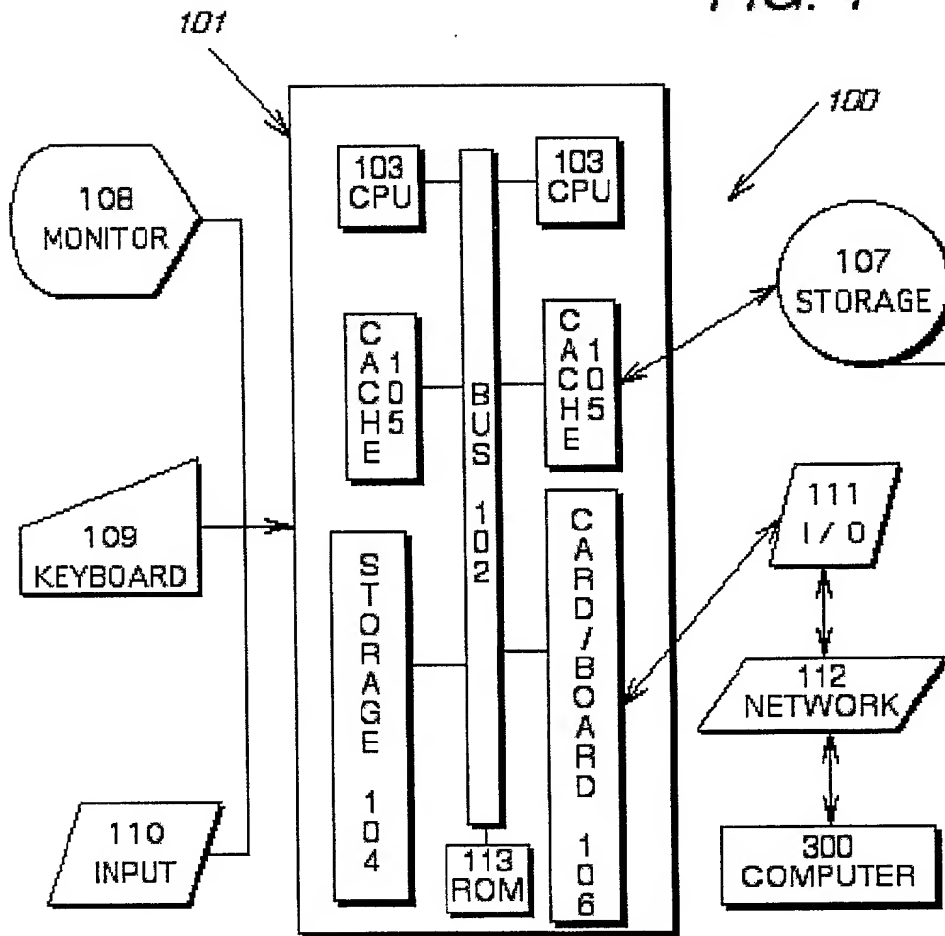


FIG. 1



200 INPUT A RECURSIVE
INSTRUCTION SEQUENCE

FIG. 2

201 EXECUTE THE SEQUENCE FROM ITS ENTRY
POINT TO ITS EXIT POINT AND SAVE ALL
PARAMETER VALUES FOR A FIRST ITERATION

202 RETURN TO THE SEQUENCE ENTRY POINT

203 EXECUTE THE NEXT INSTRUCTION

204 DID THE
PARAMETER
VALUE CHANGE?

NO

206 SEQUENCE
EXIT POINT
REACHED n?

NO

YES

205 FLAG THE
CURRENT INSTRUCTION

207 GROUP FLAGGED
INSTRUCTIONS AS ONE
OR MORE SEGMENTS

208 INSERT ONE OR MORE RECURSIVE ENTRY AND/OR
EXIT POINTS TO RUN EACH SEGMENT ONLY ONCE DURING
RECURSIVE EXECUTION OF THE INSTRUCTION SEQUENCE

END

FIG. 3

